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**MS 481**  
**Edward P. Mathewson Collection**  
**1891 - 1944****DESCRIPTION**

This collection consists of personal papers collected by Edward Mathewson both as a mining engineer and instructor at the University of Arizona. University materials related to Mathewson's course preparations for instruction on mining administration, and a funding drive for a new football stadium for the University in 1927-1929 for which he served as chairman. Mining materials consist of maps, diagrams, and pamphlets related to mining operations in the Arizona area including Phelps Dodge branches at Morenci and the Copper Queen Mine, Inspirational Copper Company, Ray Copper Company, Old Dominion Company, and others. Additional mining drawings depict mining equipment, plans, and organizational charts for so, of these organizations. Numerous technical pamphlets and materials relate to mining operations related to copper, gold, silver, lead, and Zinc. Since most of these materials are dated in the 1920s it would appear they were utilized by Mathewson in conjunction with teaching at the University.

5 Boxes, 4 linear ft.

**BIOGRAPHICAL NOTE**

Edward P. Mathewson was born in Montreal Canada on October 16, 1864. He graduated from McGill University in 1885 and moved to Pueblo Colorado in 1886 to a position as Assayer with the Pueblo Smelting & Refining Company. He rose in this organization to become the general superintendent of the plant by 1889. In 1902 he joined the M. Guggenheim & Sons staff and became associated with Anaconda Copper Company of Montana. In conjunction with this position Mathewson traveled to Mexico and South American countries as a mining consultant. His work in Montana centered on the Washoe plant providing improvements to blast furnace operations and making it the most efficient operation of its kind. In 1916 Mathewson left Anaconda to return to Canada to work for the British American Nickel Corporation in the construction of a new facility. Leaving Canada in 1918 he moved to New York to accept a position on the board of directors for the American Smelting & Refining Company. From 1919 to 1926 he performed private consulting work. In 1926 Mathewson joined the University of Arizona in Tucson to teach mining administration and metallurgical courses. He retired in 1942 and died July 13, 1948.

**ACQUISITION**

Unknown.

**ACCESS**

There are no restrictions on access to this collection.

## COPYRIGHT

Requests for permission to publish material from this collection should be addressed to the Arizona Historical Society, Tucson, Archives Department.

## PROCESSING

The collection was reprocessed by Dave Tackenberg in May 2007.

## BOX AND FOLDER LISTING

### Box 1

#### Series 1: Correspondence, Pamphlets & University of Arizona Work, 1920 - 1944

Folder 1: Correspondence with Arizona Game Protective Association	1928 – 1929
f.2 Correspondence with American Institute of Mining & Metallurgical Engineers	1920 – 1943
f.3 Correspondence with Yoshio Tsuboi in Japan	1931
f.4 Correspondence/Postcards to Mathewson	1926 – 1938
f.5 Correspondence with Rhodes House Scholars	1929
f.6 Pamphlets: “Arizona Incorporating Laws” and “Investment & Securities Laws”	1921/1925
f.7 Pamphlet: “Arizona Workmen’s Compensation Act and Law”	1925
f.8 University of Arizona Correspondence (General)	1928
f.9-10 University of Arizona Background Materials for Development of a Mining Administration Course	1926 – 1931
f.11 University of Arizona Address: “What the University Offers the Students” By E. P. Mathewson	1935
f.12 University of Arizona Address: “The University and Natural Resources” By George Otis Smith	1930
f.13 University of Arizona New Acquisitions Lists from the Library	1942
f.14 University of Arizona New Stadium Drive ( <i>Arizona Wildcat</i> )	1927
f.15 University of Arizona New Stadium Drive (Program Dedication)	1929
f.16 University of Arizona New Stadium Drive (Correspondence)	1929
f.17 Arizona State Museum	1928
f.18 Montana Fish and Game Issues	1928
f.19 Mathewson’s Registration with Arizona State Board	1925 – 1944
f.20 Manuscript: “Arizona Mining Companies: by E. P. Mathewson	n.d.
f.21 Newspaper Articles on Mathewson’s Trip to Peru	1923

#### Series 2: Mines and Mining Issues, 1908 - 1940

f.22 American Smelting and Refining Company (Hayden Smelter)	1922/1925/1931
f.23 Anaconda Reduction Works, Anaconda, Montana	1908
f.24 Apache Powder Company	1927
f.25 Calumet & Arizona Mining Company	1920/1927

### Box 2

f.26 Legal Case: “Carson vs. American Smelting & Refining Company	1925
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f.27	Diamonds and Diamond Mining	1935
f.28	Climax Molybdenum Company Catalogue	1919
f.29	Continental Mining Company (Panuco Copper Mine)	1914 - 1915
f.30-31	Inspiration Consolidated Copper Company	1916 – 1931
f.32	Mount Morgan Gold Mining Company	1926 – 1927
f.33	New Cornelia Copper Company	1920 – 1932
f.34	Phelps Dodge Corp. (Old Dominion Mine)	1926
f.35	Phelps Dodge Corp. (Morenci Branch)	1925 – 1932
f.36-39	Phelps Dodge Corp. (Copper Queen Branch)	1923 - 1930
f.40	Ray Consolidated Copper Company	1925 – 1940
f.41	Shattuck-Denn Mining Corp.	1926/1927/1932

### Box 3

f.42	Shattuck-Denn Mining Corp	1924/1926
f.43	United States Smelting, Refining & Mining Company	1922 – 1929
f.44	United States Smelting, Refining & Mining Company (Mathewson's Journal Notebooks of Trip)	1926
f.45-47	United Verde Copper Company	1924 – 1929
f.48	Washoe Smelter, Anaconda, Montana	1906/1913/1916

### Series 3: Mining Related Publications, 1891 - 1940

f.49	“Review of the Silver Market” By Handy & Harman	1931 – 1936/1938 – 1941
f.50	“Mining, Milling and Metallurgy in 1926” Article by Edward Mathewson – “Smelting Technic Makes Moderate Advances”	1927
f.51	Pamphlet from American Institute of Mining Engineers – “Officers, Members, Rules, Etc”	1891
f.52	Mining Technical Publications on Tin	1909/1920/1940
f.53	Mining Technical Publication “Technical Methods of Metallurgical Analysis: Anaconda Copper Mining Company, Washoe Reduction Works, Anaconda, Montana”	1916
f.54	Mining Technical Publications on Mining and Engineering Education	1922 – 1932

### Box 4

f.55	Mining Technical Publications – Reports from U.S. Bureau of Mines	1926
f.56	Mining Technical Publications “Zinc Resources of Arizona”	circ. 1926
f.57	Mining Technical Publications of Reports and Hearings by U.S. Congress on Silver and Gold	1923
f.58	Mining Technical Publications on Gold and Silver Refining	1909 – 1926
f.59	Mining Technical Publication on Lead	1925
f.60	Mining Technical Publications on Manganese Resources	1924 – 1929
f.61	Mining Technical Publications on Zinc	1917 – 1926
f.62	Mining Technical Publications on Nickel Refining	1919 – 1938
f.63	Mining Technical Publications on Nitrogen Research	1918 – 1926
f.64	Mining Technical Publications on MISC Topics	1909/1925/1937

#### **Series 4: MISC Items and Photographs**

- f.65 Humorous Pamphlets by Coleman Cox and “How I Carried The Message to Garcia” by Colonel Andrew Summers Rowan 1911/1922/1929
- f.66 Photographs – Mining and Smelting Plant at Irvington, N. J. Exterior and Interior Views of the Building and Operations 1923
- f.67 Photographs – Mining Site at Chuquicamata Chile Buildings, Operations, Ore Trains, and Company Golf Course circ. 1923
- f.68 Photograph – United States Smelting, Refining, and Mining Company Interior View of Smelter Operation at Plant 1926
- f.69 Photographs – MISC Images and Greeting Cards Views of Elk in Montana Greeting Card From Burma View of Home With Unidentified Couple Out Front

#### **Box 5**

##### **Oversized Drawings, Maps, and Certificate**

- Folder #1: Phelps Dodge Corporation Drawings (Copper Queen Branch)  
Lead Plant Daily Flow Sheet – 1927  
Labor & Tonnage Charges  
Drawing of Standard Rounds (Explosive Charges)  
Working Chart/Data Information
- Folder #2: Phelps Dodge Corporation Drawings (New Cornelia and Morenci Branches)  
Three Drawings of Concentrator Flow Sheets – 1929/1932  
Timbered Slide Plan – 1926  
Standard Morenci Block Cave Mining Methods – 1928  
Ore Body Claim Map  
Concentrator Flowsheet – 1927
- Folder #3: Old Dominion Company  
Company Organizational Chart  
Proposed Sinker Pump – 1918
- Folder #4: United Verde Copper Company  
Flotation Plant Flow Sheet – 1926  
Flow Sheet & Equipment List of Smelter – 1922  
Company Organizational Sheet
- Folder #5: Inspiration Consolidated Copper Company  
New Undercutting System – 1925  
Ore Concentrator Plan – 1930
- Folder #6: Ray Copper Company  
Drawing of Sub Level Caving System
- Folder #7: MISC Mining Drawings and Mathewson Certificate  
American Institute of Mining & Metallurgical Engineer Location Map – 1943  
Tacoma Smelting Company Drawing  
Mathewson Certificate as Engineer from University of the State of New York–1923

##### **Outside Item:**

One Panoramic Photo of Electric Zinc Plant Location at Hobart, TAS, Australia - 1924